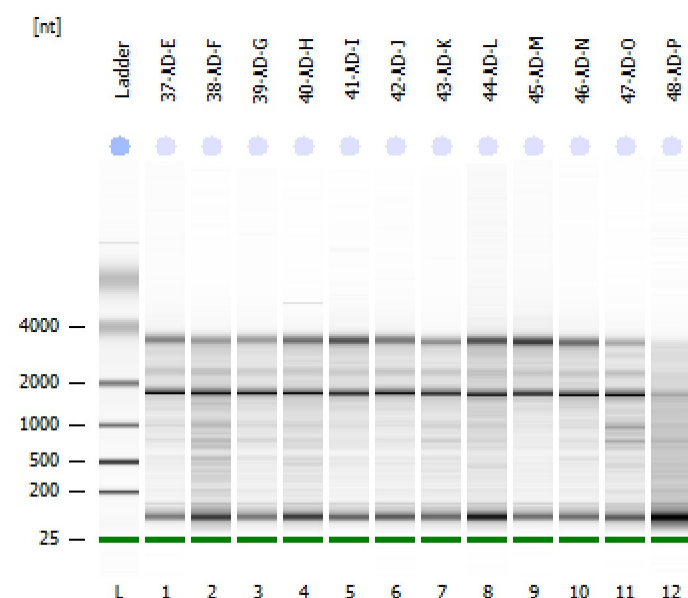


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE54700884 Firmware: C.01.069
Serial#: DE54700884 Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

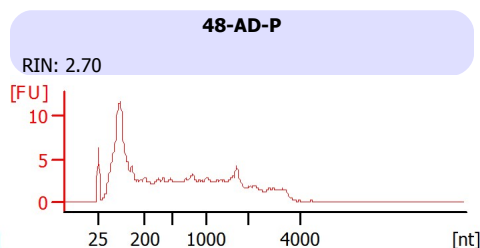
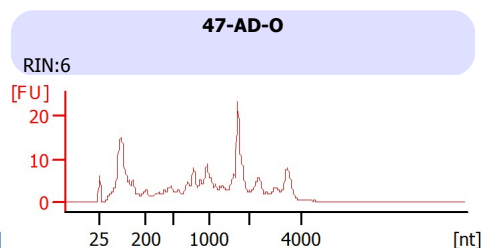
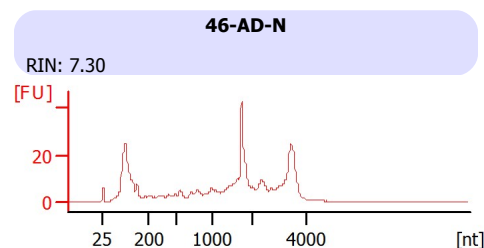
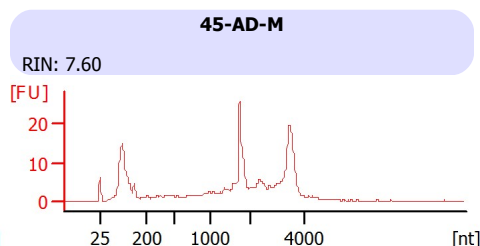
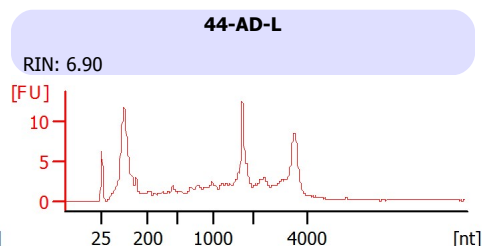
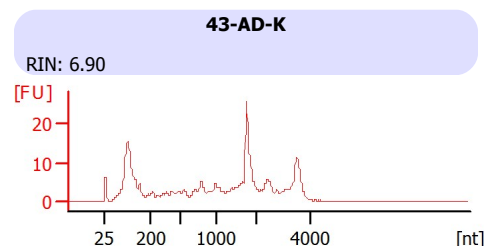
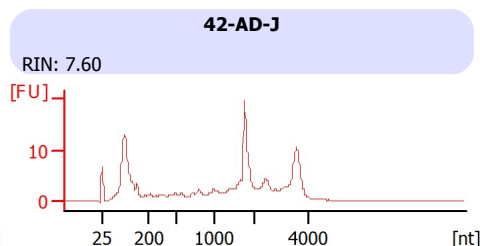
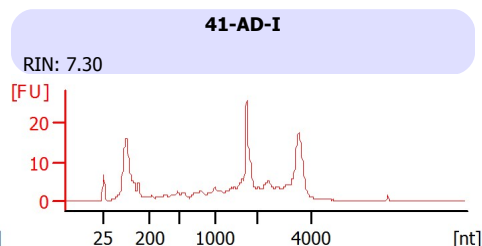
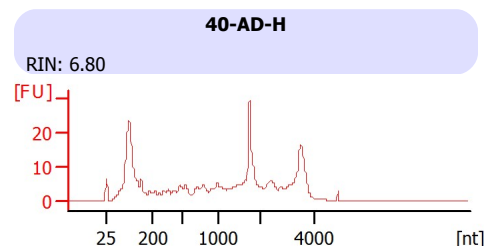
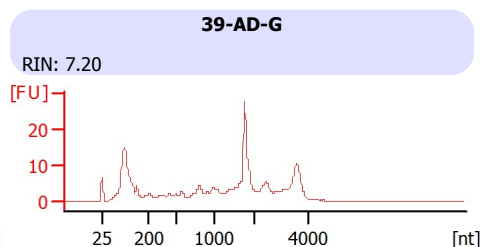
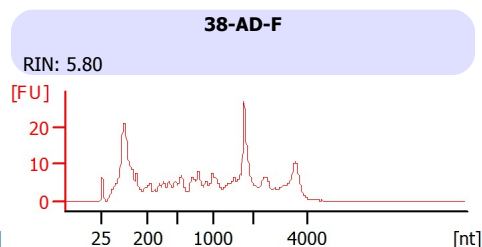
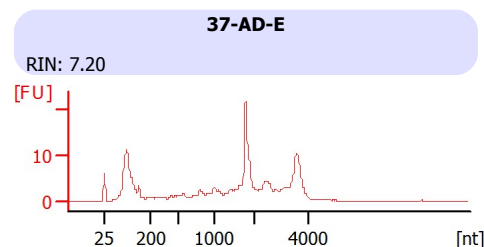
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
37-AD-E		✓	RIN: 7.20	
38-AD-F		✓	RIN: 5.80	
39-AD-G		✓	RIN: 7.20	
40-AD-H		✓	RIN: 6.80	
41-AD-I		✓	RIN: 7.30	
42-AD-J		✓	RIN: 7.60	
43-AD-K		✓	RIN: 6.90	
44-AD-L		✓	RIN: 6.90	
45-AD-M		✓	RIN: 7.60	
46-AD-N		✓	RIN: 7.30	
47-AD-O		✓	RIN:6	
48-AD-P		✓	RIN: 2.70	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19

Integration End Time [s] : 69

Slope Threshold : .6

Height Threshold [FU] : .5

Area Threshold : .2

Width Threshold [s] : .5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : .5

Polynomial Order : 4

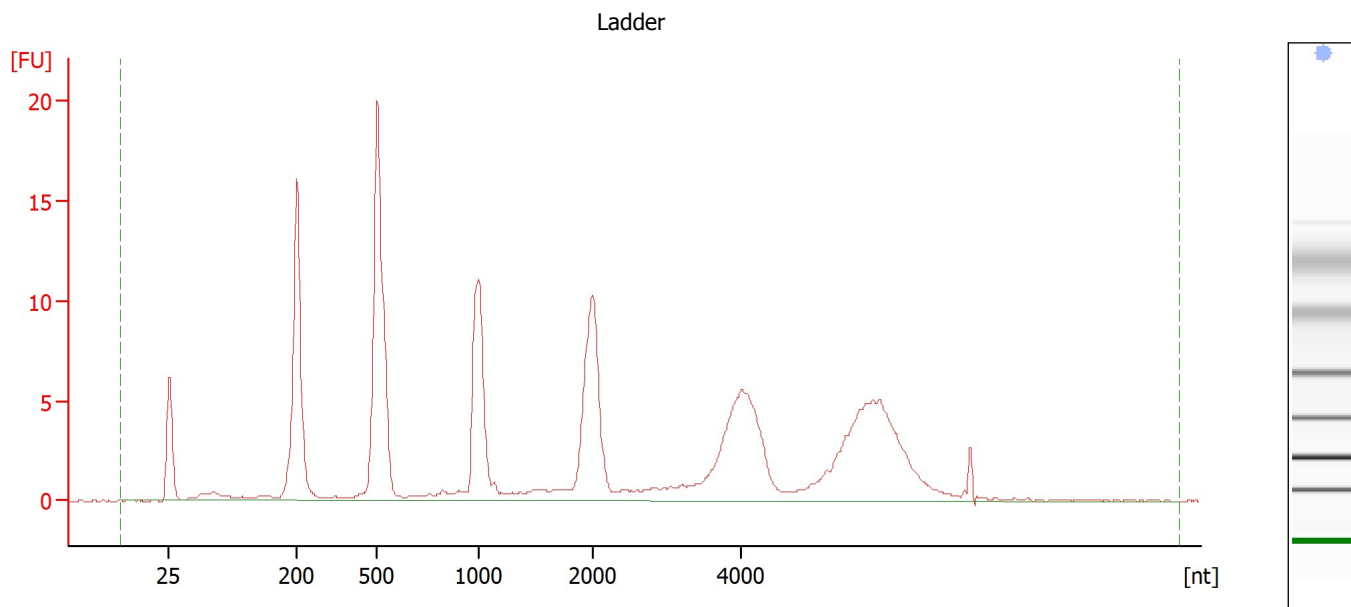
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary



Overall Results for Ladder

RNA Area: 170.2

Result Flagging Color:



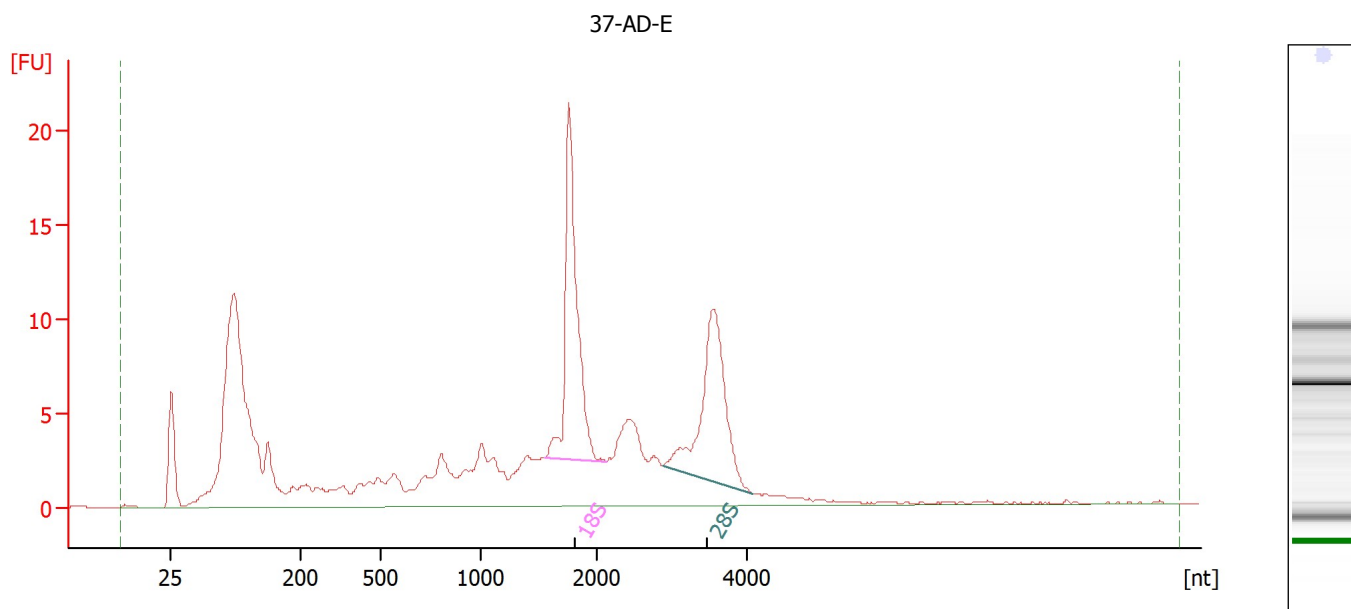
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 1 : 37-AD-E**

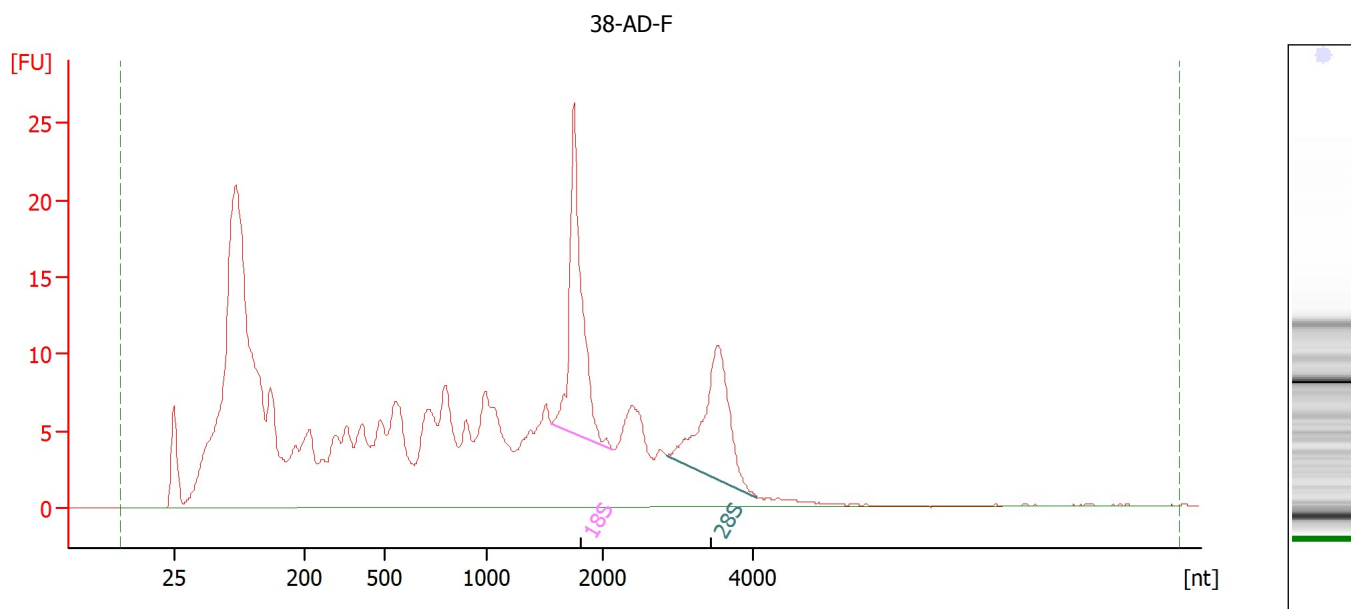
RNA Area:	226.2	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	199 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.9	Result Flagging Label:	RIN: 7.20

Fragment table for sample 1 : 37-AD-E

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	2,130	28.0	12.4
28S	2,884	4,078	25.0	11.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 2 : 38-AD-F**

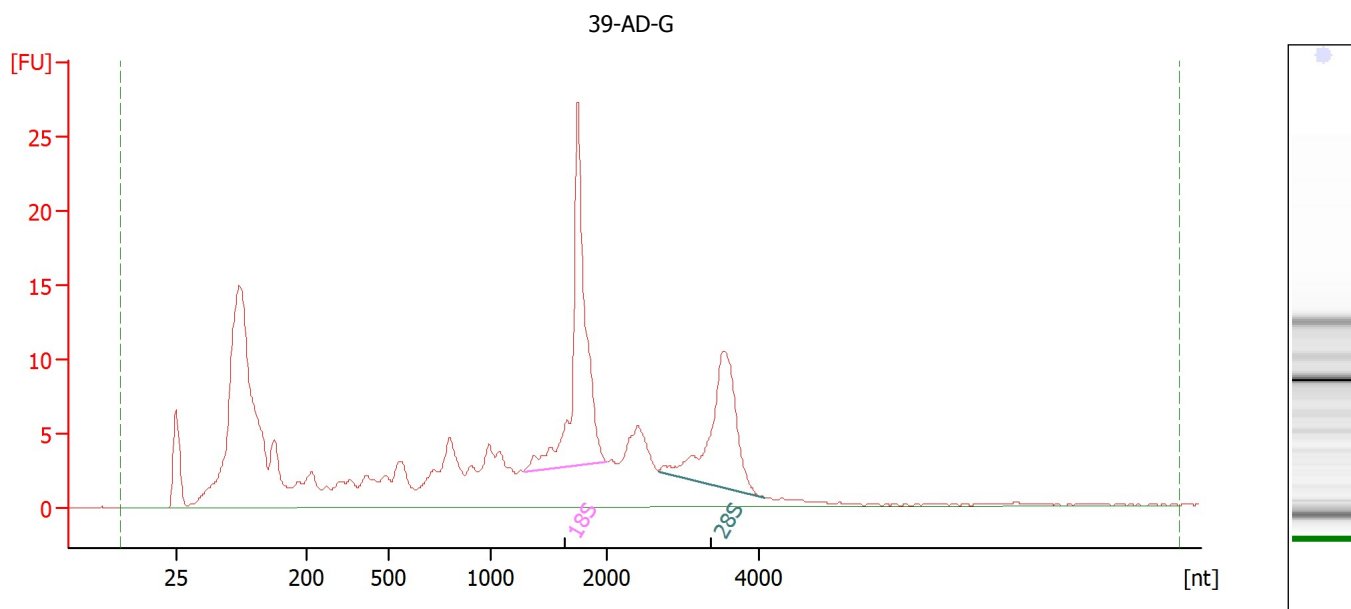
RNA Area:	465.1	RNA Integrity Number (RIN):	5.8 (B.02.08)
RNA Concentration:	410 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 5.80

Fragment table for sample 2 : 38-AD-F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	2,133	33.1	7.1
28S	2,853	4,054	25.6	5.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 3 : 39-AD-G**

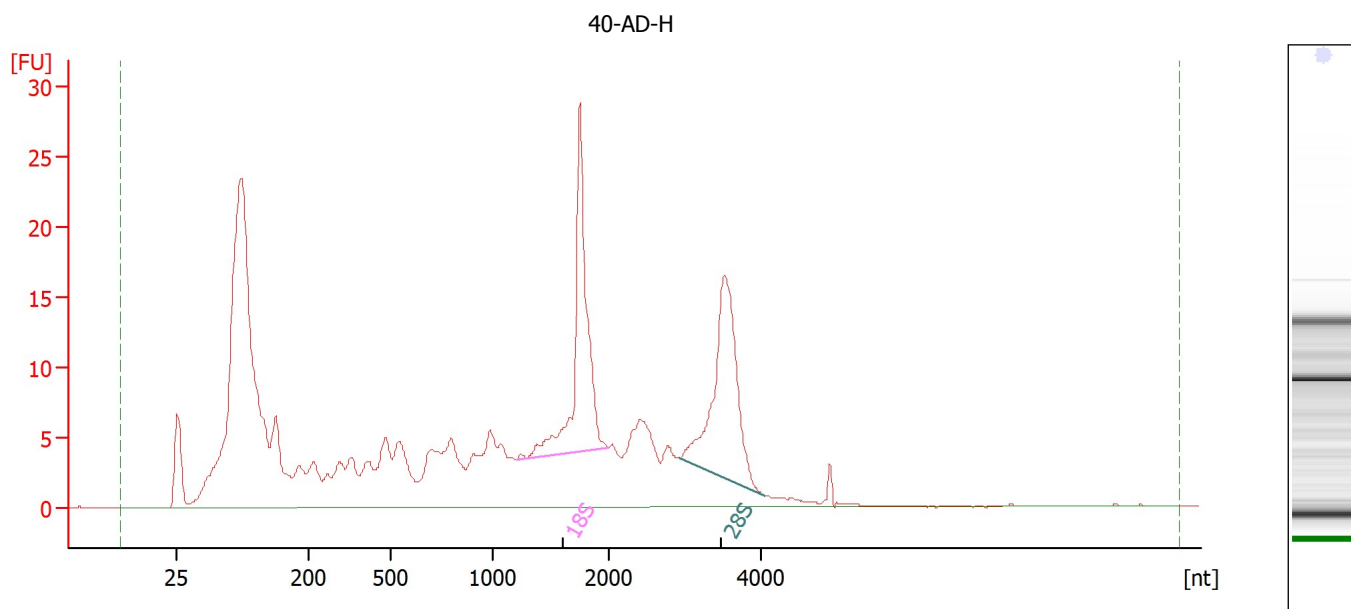
RNA Area:	297.7	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	262 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.20

Fragment table for sample 3 : 39-AD-G

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,288	2,008	40.9	13.8
28S	2,683	4,075	27.3	9.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 4 : 40-AD-H**

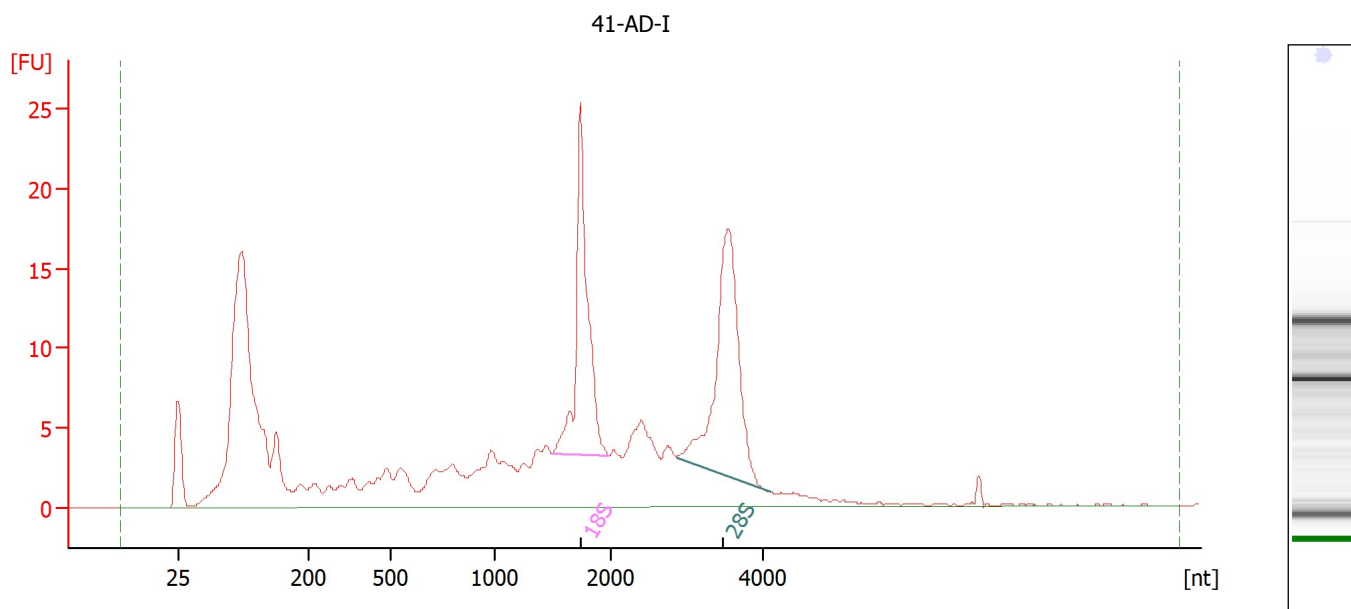
RNA Area:	409.8	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	361 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 6.80

Fragment table for sample 4 : 40-AD-H

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,208	1,997	38.2	9.3
28S	2,935	4,044	37.8	9.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 5 : 41-AD-I**

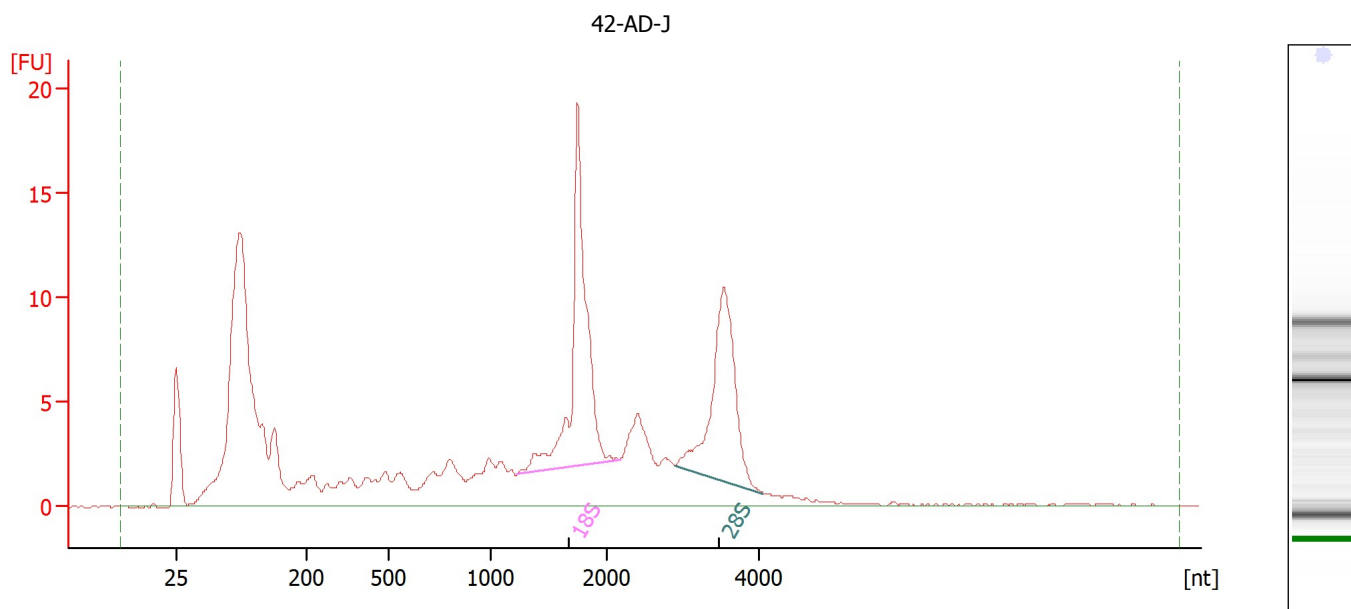
RNA Area:	307.5	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	271 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	1.2	Result Flagging Label:	RIN: 7.30

Fragment table for sample 5 : 41-AD-I

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,503	1,989	32.8	10.7
28S	2,865	4,096	40.0	13.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 6 : 42-AD-J**

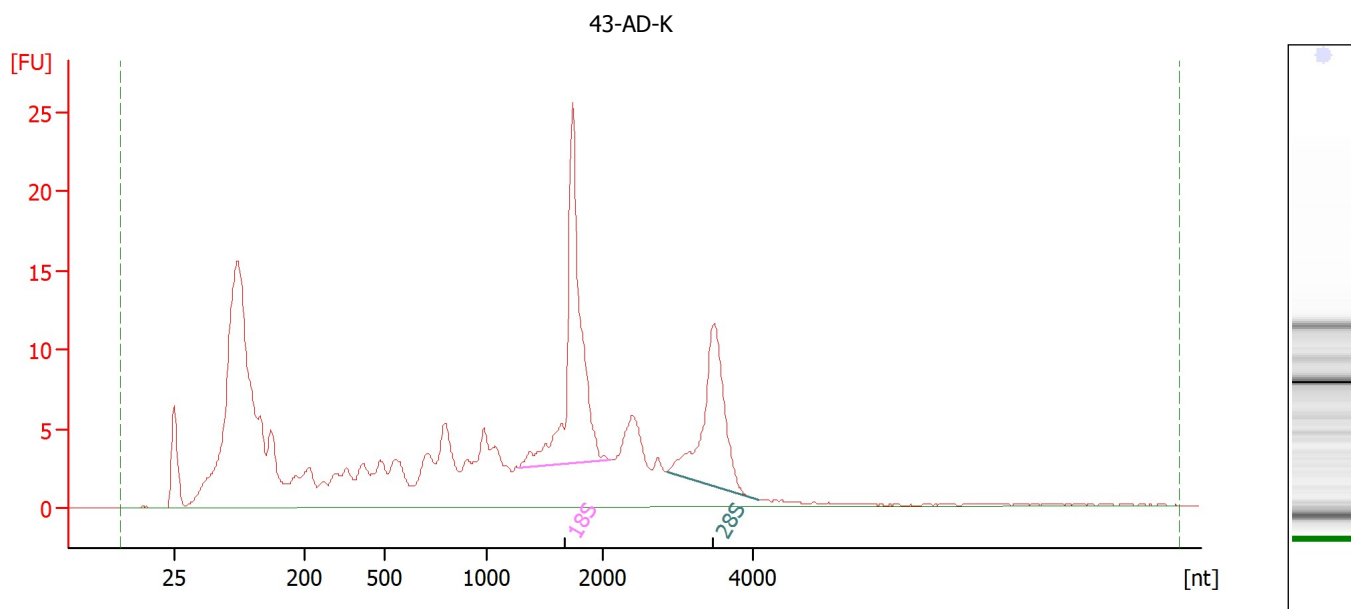
RNA Area:	226.1	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	199 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.60

Fragment table for sample 6 : 42-AD-J

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,233	2,177	31.9	14.1
28S	2,908	4,061	24.1	10.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 7 : 43-AD-K**

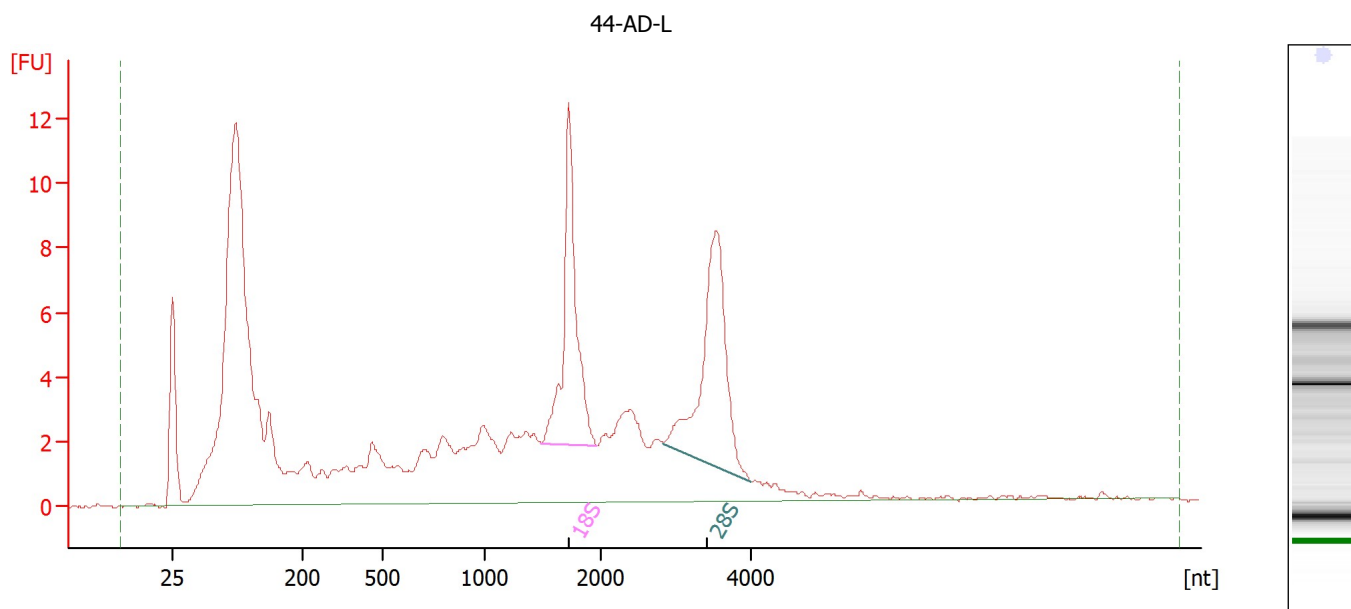
RNA Area:	312.2	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	275 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.6	Result Flagging Label:	RIN: 6.90

Fragment table for sample 7 : 43-AD-K

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,274	2,119	38.9	12.5
28S	2,839	4,068	25.0	8.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 8 : 44-AD-L**

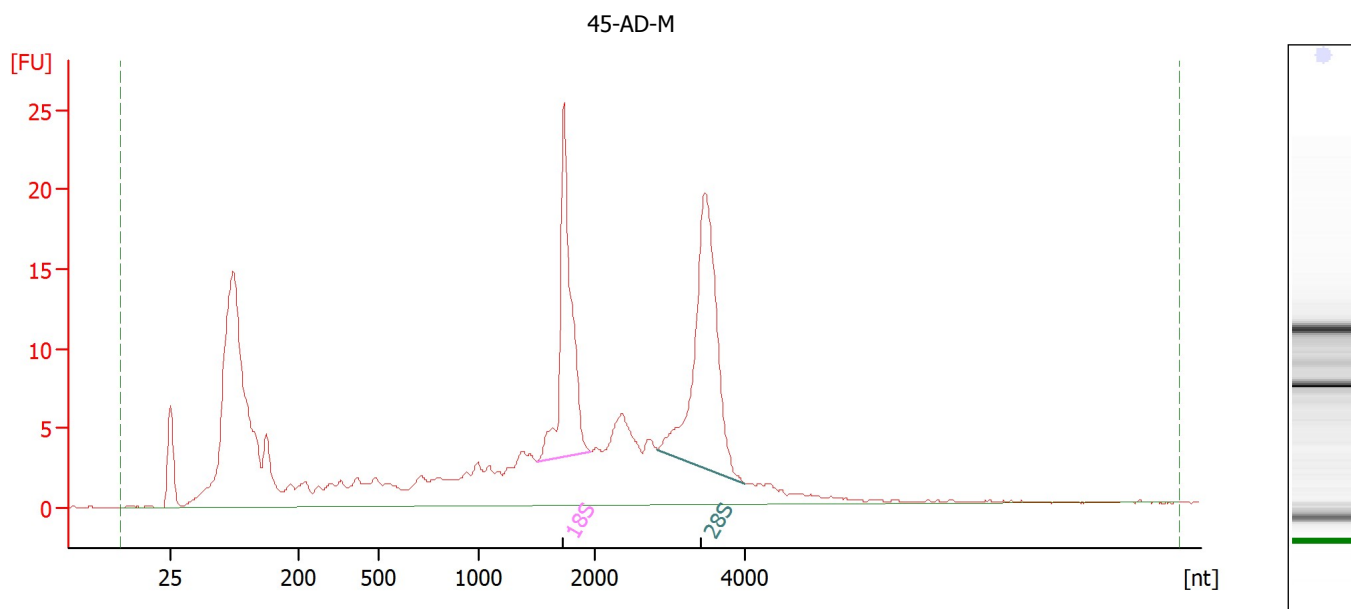
RNA Area:	199.7	RNA Integrity Number (RIN):	6.9 (B.02.08)
RNA Concentration:	176 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.90

Fragment table for sample 8 : 44-AD-L

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,484	1,975	16.5	8.3
28S	2,840	3,986	19.7	9.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 9 : 45-AD-M**

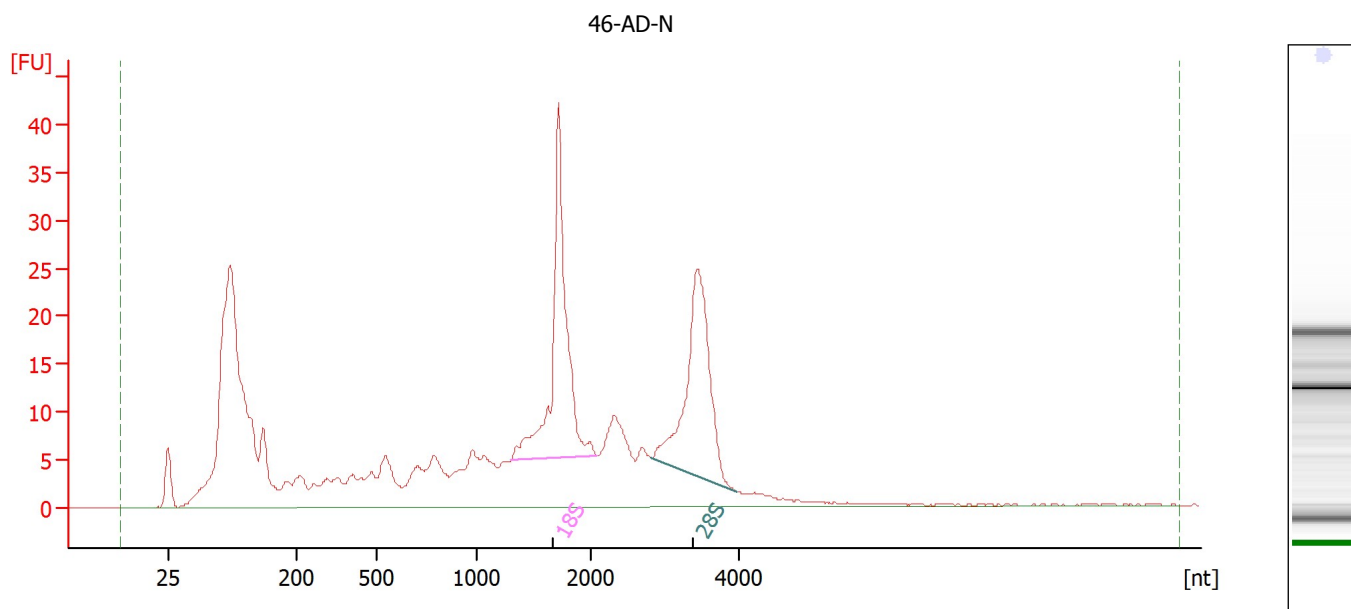
RNA Area:	300.7	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	265 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	1.4	Result Flagging Label:	RIN: 7.60

Fragment table for sample 9 : 45-AD-M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,497	1,972	32.4	10.8
28S	2,842	4,010	44.4	14.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 10 : 46-AD-N**

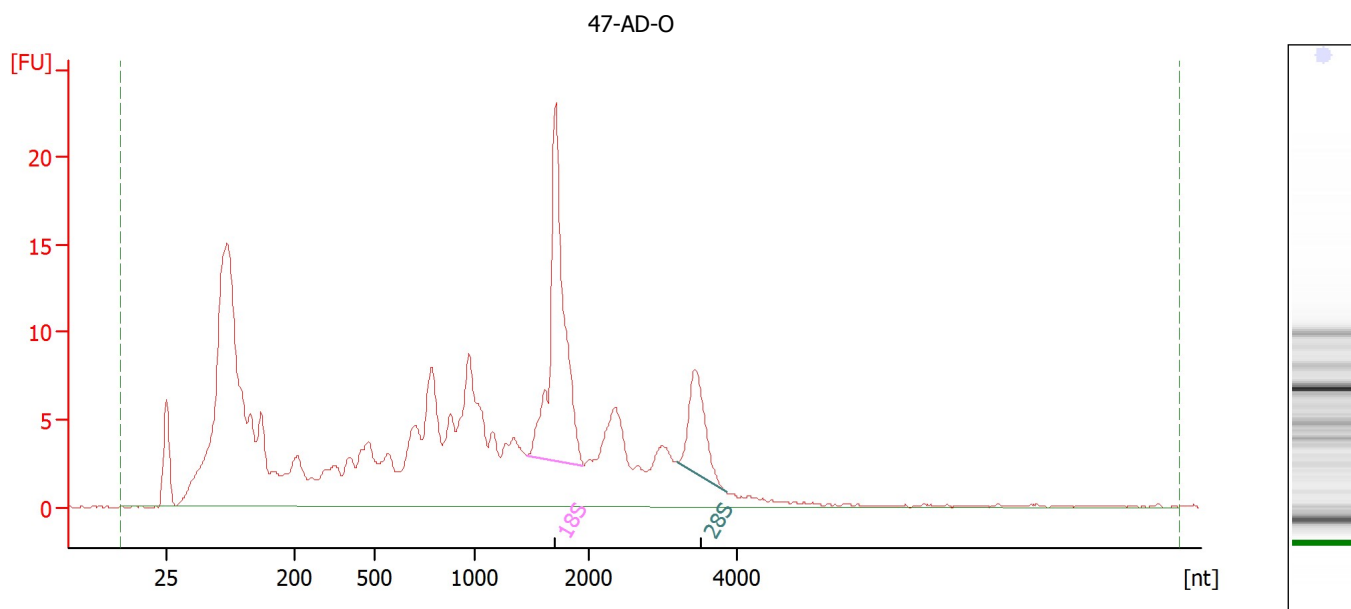
RNA Area:	516.3	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	455 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.30

Fragment table for sample 10 : 46-AD-N

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,305	2,098	65.1	12.6
28S	2,814	3,960	58.9	11.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 11 : 47-AD-O**

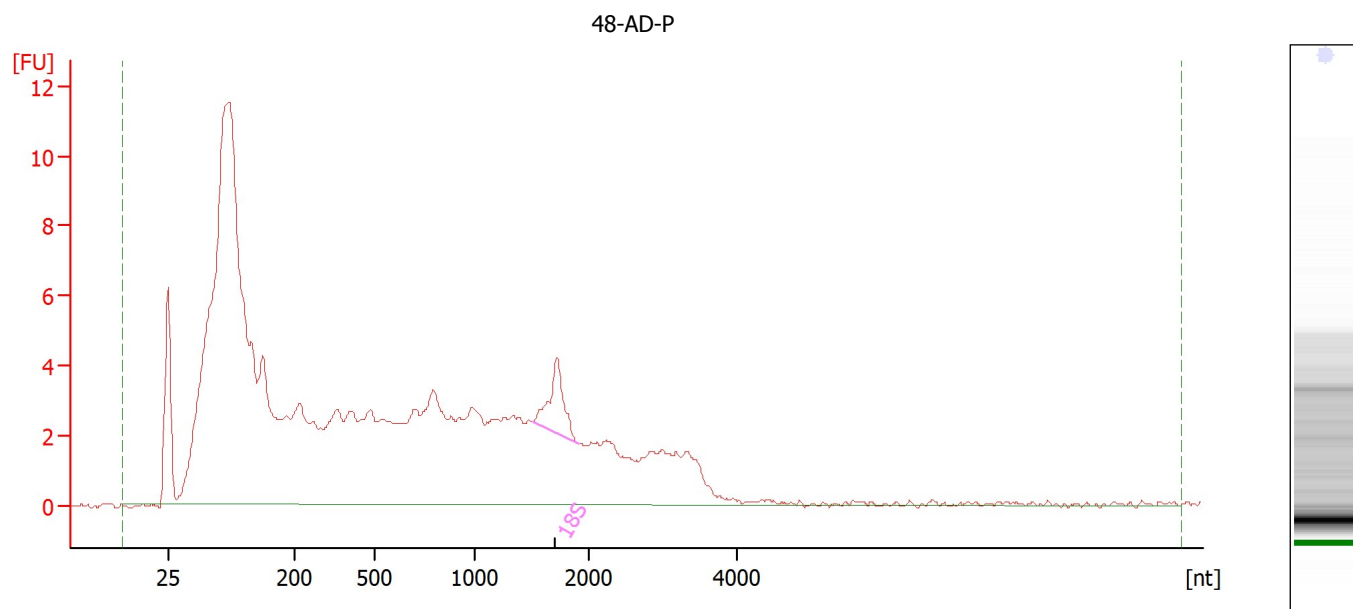
RNA Area:	331.1	RNA Integrity Number (RIN):	6 (B.02.08)
RNA Concentration:	292 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.3	Result Flagging Label:	RIN:6

Fragment table for sample 11 : 47-AD-O

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,463	1,960	36.2	10.9
28S	3,202	3,863	11.2	3.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

Electropherogram Summary Continued ...**Overall Results for sample 12 : 48-AD-P**

RNA Area:	226.7	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	200 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Fragment table for sample 12 : 48-AD-P

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,517	1,912	4.0	1.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE54700884_2023-05-17_14-51-06.xad

Created: 17/05/2023 14:51:05
Modified: 17/05/2023 15:14:58

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